

# Noa Garcia Docampo

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**Nationality**         Spanish

## Personal Profile

I am a second year PhD student in computer science at Aston University, United Kingdom, under the supervision of [Dr. George Vogiatzis](#). My research interests include computer vision and machine learning applied to large-scale image and video retrieval.

## Education

**2015-?**        PhD in Computer Science - [Aston University, Birmingham, United Kingdom](#)  
**2006-2012**   Telecommunications Engineering (5 years degree) - [Universitat Politècnica de Catalunya](#),  
                  Barcelona, Spain

## Research Experience

**Oct 2015 - Present**     *PhD Candidate*  
                             [Aston University, Birmingham, United Kingdom](#)  
                             Image and Video Retrieval in Large Scale Datasets.

**Feb 2013 - Jan 2015**     *Researcher hired for a project*  
                             [Universidad Politécnica de Madrid](#)  
                             Computer vision applied to parking scenes. WePark project founded by the Spanish Ministry of Industry, Tourism and Commerce under the Project reference TSI-020100-2011-57.

**Nov 2011 - May 2012**   *Student Placement*  
                             [Gradiant - Centro Tecnológico de Telecomunicaciones](#)  
                             Final degree project: Heart Rate estimation using facial video information.

## Work Experience

**Jan 2016 - Present**     *Teaching Assistant*  
                             [Aston University](#)  
                             Assisting in labs, tutorials and marking with BSc Computer Science modules, including:

- **Jan 2017 - Mar 2017**     CS2420 Computer Animation  
                             **Jan 2016 - Mar 2016**
- **Oct 2016 - Dec 2016**   CS2150 Computer Graphics
- **Oct 2016 - Dec 2016**   CS3360 Software Project Management

**Feb 2015 - Sep 2016**     *Vision Engineer*  
                             [Zap to Buy](#)  
                             Designing a retrieval system for finding video frames from smartphone images.

**Nov 2012 -** *Computer Vision Engineer*

**Jan 2013** [Shot & Shop](#)

Designing an object recognition tool for finding products from smartphone images.

**Oct 2012 -** *Software Engineer*

**Jan 2013** [H.I. Iberia, Ingeniería y Proyectos](#)

Implementation of state-of-the-art facial recognition techniques.

## Publications

- Noa Garcia, George Vogiatzis. **Exploiting Redundancy in Binary Features for Image Retrieval in Large-Scale Video Collections.** European Conference on Visual Media Production (CVMP), 2016.
- Nuria Sánchez, Noa García, Jose Manuel Menéndez. **Feedback-based parameterized strategies for improving performance of video surveillance understanding frameworks.** 14th Ibero-American Conference on Artificial Intelligence (IBERAMIA), 2014.
- Carmen Bravo, Nuria Sánchez, Noa García and Jose Manuel Menendez. **Outdoor Vacant Parking Space Detector for improving mobility in Smart Cities.** Portuguese Conference on Artificial Intelligence (EPIA), 2013.

## Skills

- **Technical Skills**

*Programming Languages:* C, C++, Java, PHP

*Operating Systems:* Unix, Windows

*Software:* Matlab, Qt Creator, Android Studio, Eclipse

*Libraries:* OpenCV, MatConvNet, Eigen, Boost

*Databases:* MySQL, MongoDB

*Office Tools:* L<sup>A</sup>T<sub>E</sub>X, Microsoft Office, Open Office, Photoshop, Gimp

- **Languages**

Spanish: Native

Catalan: Native

English: Fluent (written and spoken)

Japanese: Basic

## Awards

**Dec 2016** *Atos IT Challenge 2017*

Member of one of the shortlisted teams for the development phase.